

OPINION 715

XENOPHORIDAE PHILIPPI, 1853 (GASTROPODA): ADDED TO THE OFFICIAL LIST OF FAMILY-GROUP NAMES IN ZOOLOGY

RULING.—(1) It is hereby Ruled that the neotype designation by K. V. W. Palmer, 1963, for *Turbo trochiformis* Born, 1778, is not acceptable under Article 75 of the International Code of Zoological Nomenclature.

(2) The family-group name XENOPHORIDAE Philippi, 1853 (type-genus *Xenophora* Fischer von Waldheim, 1807) is hereby placed on the Official List of Family-Group Names in Zoology with the Name Number 381.

(3) The generic name *Xenophora* Fischer von Waldheim, 1807 (gender: feminine), type-species, by designation by Harris, 1897, *Xenophora laevigata* Fischer von Waldheim, 1807, is hereby placed on the Official List of Generic Names in Zoology with the Name Number 1651.

(4) The specific name *conchyliophorus* Born, 1780, as published in the binomen *Trochus conchyliophorus*, is hereby placed on the Official List of Specific Names in Zoology with the Name Number 2045.

HISTORY OF THE CASE (Z.N.(S.) 1483)

The present case was first submitted to the Office of the Commission by Dr. K. V. W. Palmer in May 1961, as a request for the preservation under the plenary powers of the family-group name XENOPHORIDAE. Dr. Palmer's application was sent to the printer on 22nd August 1961 and was published on 23 March 1962 in *Bull. zool. Nomencl.* **19** : 115–116. Public Notice of the possible use of the plenary powers in the present case was given in the same part of the *Bulletin* as well as to the other prescribed serial publications (Constitution Art. 12b; *Bull. zool. Nomencl.* **21** : 184) and to two malacological serials. In two further papers (*Bull. zool. Nomencl.* **20** : 1–9, 10–11) Dr. Palmer put forward arguments concerning the oldest available name for the type-species of *Xenophora*. The further history of the case is set out in the following Report, circulated to Commissioners with Voting Paper (64)1.

Summary of issues on Voting Paper 64 (1)

“(1) Dr. Katherine Palmer's proposal (*Bull. zool. Nomencl.* **19** : 115–116) to place XENOPHORIDAE on the Official List of Family-Group Names in Zoology. There is no need to use the plenary powers, as requested in her application, since XENOPHORIDAE was used as a family-group name by Philippi, 1853, and therefore has priority over ONUSTIDAE H. & A. Adams, 1854, whilst PHORIDAE Gray, 1840, is a junior homonym of PHORIDAE Curtis, 1833 in Insecta, Diptera, as shown by Donald R. Moore (*Bull. zool. Nomencl.* **20** : 15).

“(2) Dr. Palmer's proposal to place *Xenophora* Fischer von Waldheim, 1807, (type-species by designation by Harris, 1897, *Xenophora laevigata* Fischer von Waldheim, 1807) on the Official List of Generic Names in Zoology is unopposed.

"(3) Her proposal to place the specific name *Turbo trochiformis* Born, 1778 (as interpreted by a neotype designation—see *Bull. zool. Nomencl.* 20 : 1-11, Plate 2) on the Official List of Specific Names in Zoology as the oldest available name for *laevigata* is contested by:

- (a) Robert Robertson (*Bull. zool. Nomencl.* 19 : 231; 20 : 11-14, 404) who argues that *Turbo trochiformis* Born, 1778, is a *Calyptraea* and not a *Xenophora*, and who proposes that *trochiformis* be rejected as a nomen dubium, and that *Trochus conchyliophorus* Born, 1780, be placed on the Official List as the oldest name for the type-species of *Xenophora*.
- (b) R. Tucker Abbott (*Bull. zool. Nomencl.* 20 : 15) and Dr. Myra Keen (in litt.) who agree with Dr. Robertson.

"In the accompanying Voting Paper, Dr. Palmer's third proposal has been separated from the others, since it is only this one which has been challenged. If Commissioners agree that Dr. Palmer's neotype designation for *Turbo trochiformis* Born is valid under the Code, then they should vote to place that name on the Official List of Specific Names. Commissioners who agree with Dr. Robertson in his statement that this neotype designation is invalid should vote to place the name *Trochus conchyliophorus* Born on the Official List of Specific Names as the oldest name which unequivocally applies to the type-species of *Xenophora*."

DECISION OF THE COMMISSION

On 27 April 1964 the Members of the Commission were invited to vote under the Three-Month Rule on Voting Paper (64)1, in Part 1 either for or against the proposal to place *Xenophora* and XENOPHORIDAE on the appropriate Official Lists (as set out in *Bull. zool. Nomencl.* 19 : 116); and in Part 2 for the placing of either *Trochus conchyliophorus* Born, 1780 or *Turbo trochiformis* Born, 1778 (as defined by the neotype designated by Palmer in *Bull. zool. Nomencl.* 20 : 11-12) on the Official List of Specific Names. At the close of the prescribed voting period on 27 July 1964 the state of the voting was as follows:

Part 1. Affirmative votes—twenty-six (26), received in the following order: China, Hering, Holthuis, Lemche, Mayr, Vokes, Simpson, Stoll, Uchida, Boschma, Tortonese, Riley, Miller, do Amaral, Obruchev, Sabrosky, Evans, Bonnet, Kraus, Jaczewski, Alvarado, Forest, Mertens, Binder, Brinck, Ride.

Negative votes—one (1): Borchsenius.

Part 2. For the addition to the Official List of *Trochus conchyliophorus* Born—twenty-two (22): China, Hering, Lemche, Mayr, Vokes, Simpson, Stoll, Uchida, Boschma, Tortonese, Miller, do Amaral, Obruchev, Evans, Bonnet, Kraus, Jaczewski, Alvarado, Forest, Mertens, Binder, Brinck.

For the addition to the Official List of *Turbo trochiformis* Born—three (3): Holthuis, Riley, Ride.

On Leave of Absence—one (1): Munroe.

Voting Papers not returned—one (1): Hubbs.

Mr. Sabrosky did not cast a vote in Part 2 of the Voting Paper.

ORIGINAL REFERENCES

The following are the original references for names placed on the Official Lists by the Ruling given in the present Opinion:

conchyliophorus, Trochus, Born, 1780, *Testacea Musei Caesarei Vindobonensis*: 333

Xenophora Fischer von Waldheim, 1807, *Museum-Demidoff* 3 : 213

XENOPHORIDAE Philippi, 1853, *Handb. Conchylol. Malacozool.* 1853 : 185

The following is the original reference to the designation of a type-species for a genus concerned in the present Ruling;

For *Xenophora* Fischer von Waldheim, 1807 : Harris, 1897, *Cat. Tertiary Moll. B.M. (N.H.)*, Pt. 1, *The Australasian Tertiary Mollusca*: 253

CERTIFICATE

I certify that the votes cast on Voting Paper (64)1 were cast as set out above, that the proposal contained in that Voting Paper has been duly adopted, and that the decision so taken, being the decision of the International Commission, is truly recorded in the present Opinion No. 715.

W. E. CHINA
Acting Secretary

International Commission on Zoological Nomenclature

London

3 September 1964

COMMENT ON THE PROPOSED RULING ON THE TYPE-SPECIES OF
STENOSCISMA CONRAD, 1839. Z.N.(S.) 1539

(see this volume, pages 130-132)

By Richard E. Grant (*U.S. Geological Survey, Washington, D.C., U.S.A.*)

Dr. Schmidt's historical survey of the usage of the names *Stenosclisma* Conrad and *Camerophoria* King is entirely correct, to the best of my knowledge (I have just completed a study of the superfamily containing *Stenosclisma*, for the Treatise on Invertebrate Paleontology), I see no objection to her proposal, except that as it now stands the name *Stenosclisma* is an objective senior synonym of *Camerophoria*, and is recognized as such by all present workers. I do not see the necessity of action by the Commission in this matter, inasmuch as the synonymy is objective and beyond dispute under the present Rules of Zoological Nomenclature. However, ruling to place the name *Stenosclisma* on the Official List of names would remove whatever doubts may remain in this case, and would be in no way objectionable.

The request (para. 15, part 3) to place the family-group names based on *Stenosclismatinae* Oehlert on the Official List deals with a case that is less clear cut. However, I believe that the action recommended is desirable. The present Rule (Art. 40) calls for retention of family-group names that are based on junior synonyms, *unless* the change to the name based on the senior synonym was effected prior to 1961, and has won general acceptance. The Russian treatise on brachiopods in the *Osnovi Paleontologii* (1961) retains the family-group name based on *Camerophoriinae* Waagen 1883. It might be argued that use of the prior name in such an important work at this late date indicates lack of general acceptance of names based on *Stenosclismatinae* Oehlert. Most recent authors (including some text books and the Zoological Record) have adopted names based on *Stenosclismatinae*, and in the interest of stability a decision to place that family-group name on the Official List would clarify and stabilize the situation. Therefore I would like to offer my concurrence with Dr. Schmidt's application to the Commission.